



IC4
Side-by-Side
Refrigerator
Ice Maker Kit
Installation and
Operating
Instructions

Keep these instructions for future reference. Be sure this manual stays with the ice maker.

Introduction



CAUTION

To avoid personal injury or property damage, observe all safety instructions.

Verify proper ice maker kit model, listed on wiring diagram on back of refrigerator. Read entire manual before installing kit. All necessary tools and materials must be available prior to installation. Verify all listed parts are included in kit. If parts are missing, contact source from whom kit was purchased.

- Mechanical experience is required to install kit.
- Installation can take from 3 to 6 hours depending on installer's knowledge and skill.
- If unable to solve a problem during installation, contact an authorized Amana technician. Locate a Factory Service Center or independent authorized technician by calling **1-800-628-5782** inside U.S.A. and **1-319-622-5511** outside U.S.A. Service is at owner's expense.

Safety Instructions



WARNING

To avoid electrical shock which can cause severe personal injury or death, disconnect power to refrigerator before installing kit. After installing kit, reconnect power.



CAUTION

To avoid property damage, observe the following:

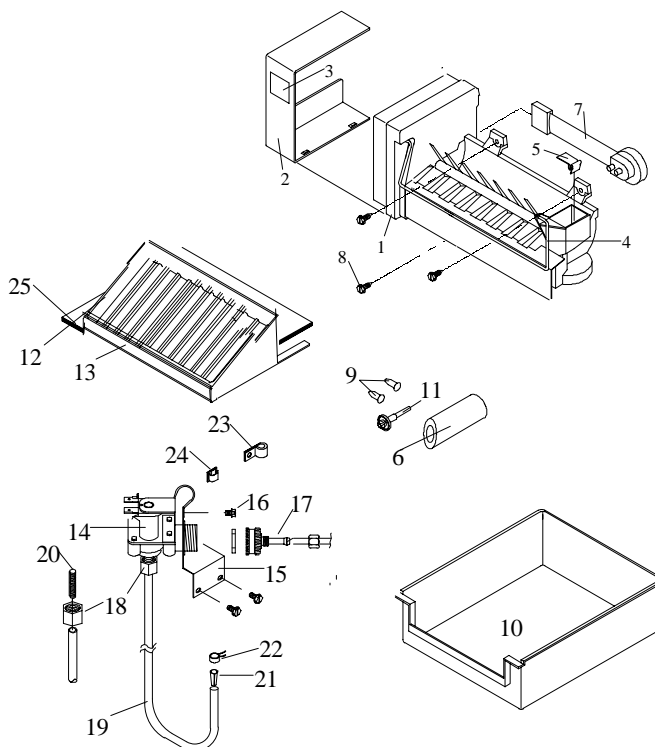
- Confirm water pressure to water valve is at least 20 pounds per square inch.
- Start nuts by hand to avoid cross threading. Finish tightening nuts with wrenches. Do not overtighten.
- Check carefully for water leaks prior to returning refrigerator to normal location and 24 hours after connection.

Tools Required

- $\frac{3}{8}$ " electric drill (ground fault protected)
- $\frac{3}{8}$ " drill bit
- $\frac{1}{4}$ " hex nut driver
- $\frac{1}{2}$ " open-end wrenches (2)
- Bucket
- Gloves
- Knife
- Masking tape
- Pliers
- Screwdriver
- Slip joint
- Towel

Parts

Use listed part numbers only when ordering replacement parts. Part numbers are not used in installation instructions.



Item	Description	Part number	Quantity
1	Ice makers	D7824703	1
2	Ice maker cover	D7820401	1
3	Warning label	A3036901	1
4	Ice maker arm	10901401	1
5	Stainless steel clip	B5720301	1
6	Water fill tube extension	A3127412	1
7	Ice maker wire harness	D7826301	1
N/S	Thermal fuse clip	10319801	1
8	$\frac{5}{8}$ " sheet metal screw	M0211018	3
9	Button plug	M0311301	2
10	Ice storage bucket	D7806201	1
11	Stop pins	M0560005	2
12	Sliding shelf	D7839703	1
13	Sliding shelf decorative insert	C8986123	1
14	Water valve	D7712603	1
15	Water valve mounting bracket	10496302	1
16	$\frac{3}{8}$ " thread cutting screw	M0251015	3
17	Water valve coupling assembly	10244903	1
18	Nylon nut and sleeve	M0753001	1
19	$\frac{1}{4}$ " plastic tubing	B5705321	1
20	Anti-kink spring	A1055101	1
21	Stainless steel insert	A3223101	1
22	Tube clamp	M0114003	1
23	"P" clamp	M0104101	1
24	Plastic clip	M0104101	1
25	Installation and operating instructions	10527025	1

Materials Required

Important

- Before connecting ice maker, contact a plumber to connect copper tubing to household plumbing in compliance with local codes and ordinances.
- Amana Appliances recommends using a saddle valve. **Do not use self-piercing valve.** Amana Appliances is not responsible for property damage due to improper installation or water connection.

1/4" (6 mm) outside diameter flexible copper tubing*.

*Length of copper tubing must reach from water supply connection plus an additional 8' (3 m) for service loop behind refrigerator. Tubing should be soft instead of rigid and ends should be free of burrs.

Procedure

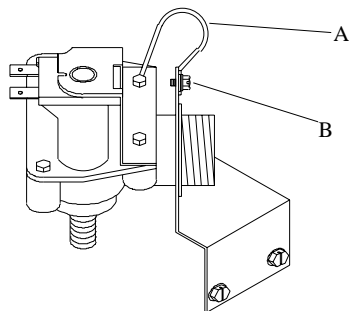
1. Turn off water supply to refrigerator.



CAUTION

To avoid property damage, protect soft vinyl or other flooring with cardboard, rugs, or other protective material when moving refrigerator.

2. Move refrigerator away from wall. Disconnect power.
3. Seal open end of copper tubing with masking tape to keep inside of tubing clean. Route copper tubing up to refrigerator through floor or interior wall behind refrigerator providing 3/8" (10 mm) holes as required. Temperature surrounding copper tubing must be above 35°F (1°C) to prevent water line from freezing.
4. Secure water valve mounting bracket behind square collar on water valve inlet. Attach ground wire to bracket with a 3/8" (10 mm) cutting screw and a 1/4" hex nut driver.



A. Ground wire

B. 3/8" screw

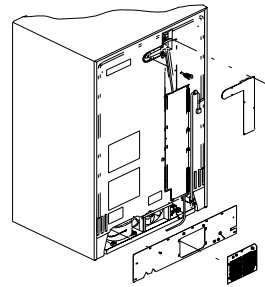
Ground wire attachment



WARNING

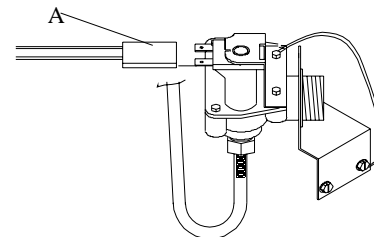
To avoid electrical shock which can cause severe personal injury or death, ground wire must be properly attached to both bracket and water valve.

5. Remove lower horizontal and upper vertical cover on rear of refrigerator cabinet by removing screws with a 1/4" hex nut driver. On 22, 25, and 27 cubic foot models, remove black plastic spacer with a 1/4" hex nut driver.



Cover removal

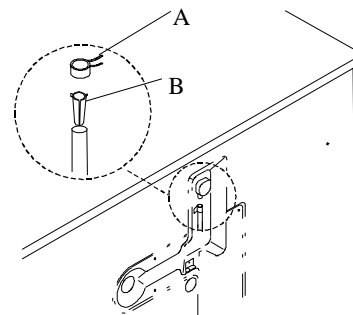
6. Remove electrical wiring plugs from retainer clamp on lower rail of refrigerator cabinet. Connect electrical wiring plugs to water valve spade terminals. Non-polarized plugs connect to either terminal.



A. Electrical wiring plug

Electrical connection

7. Secure water valve to 2 predrilled holes in lower rail of refrigerator cabinet with two 3/8" (10 mm) long cutting screws and a 1/4" hex nut driver.
8. Insert plastic tubing from water valve under lower right corner of metal cover. Carefully thread plastic tubing up to water fitting. Plastic tubing should move freely under top center portion of vertical cover. Route plastic tubing under wiring harness between top of vertical cover and water fitting.
9. Push stainless steel insert into open end of plastic tubing. Stainless steel insert must be flush with end of plastic tubing. Hold hose clamp open with pliers and slide hose clamp over water fitting. Push end of plastic tubing 5/8" (16 mm) into water fitting stem and release hose clamp. Confirm plastic tubing is secure by pulling on plastic tubing.

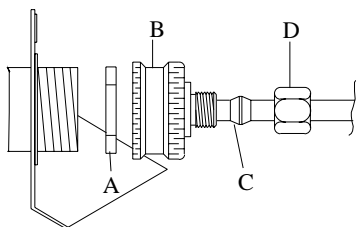


A. Hose clamp

B. Stainless steel insert

Water hose attachment to back of refrigerator

10. Replace upper vertical cover by placing cover on refrigerator. Carefully tuck wires inside cover to avoid pinching wires. Insert and tighten screws with a $\frac{1}{4}$ " hex nut driver.
11. Remove tape from end of copper tubing. Put end of copper tubing into sink or bucket. Slightly turn on water supply to refrigerator. Water will be under considerable pressure. Allow water to run through copper tubing for 1 minute to flush out copper tubing. Shut off water supply to refrigerator when flushing is complete.
12. Slide nut and sleeve over end of copper tubing. Insert copper tubing completely into adapter fitting. Check adapter fitting to confirm rubber hose washer is in place. Tighten adapter fitting by hand as much as possible. Carefully tighten an additional $\frac{3}{8}$ " (10 mm) turn with pliers. Firmly connect tubing nut on copper tubing to adapter fitting with two $\frac{1}{2}$ " open-end wrenches. Confirm copper tubing is secure by pulling on copper tubing.

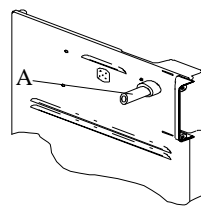


A. Hose washer B. Adaptor fitting
C. Sleeve D. Nut

Connecting copper tubing

13. **Slightly** turn on water supply to refrigerator and check for leaks. Turn off water supply to refrigerator and correct any leaks. Repeat this process until no leaks are found. **Completely** turn on water supply to refrigerator.
14. Slide ice service rack in freezer toward front of freezer until screws are in middle of mounting holes. Gently pull ice service rack away from freezer. Remove ice service rack screws with a $\frac{1}{4}$ " hex nut driver. Insert plugs into screw holes.
15. Push up on lock tab to release water fill tube cover on rear wall. Pull lower end of water fill tube cover away from rear wall. Lift up slightly to release water fill tube cover from upper hinges. Remove and discard water fill tube cover.
16. Remove top freezer shelf.
17. Remove 3 screws from white air duct cover on rear wall with a $\frac{1}{4}$ " hex nut driver. Remove electrical cap on rear wall with a screwdriver. Discard screws and electrical cap.

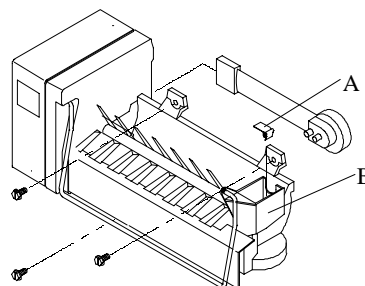
18. Slide water fill tube extension over water inlet tube on rear wall. Water fill tube extension must fit tightly and be even with hole in rear wall so water cannot leak into freezer.



A. Water inlet tube

Water inlet tube installation

19. Remove ice maker from shipping carton. Discard packing material. Ice maker is shipped with arm down. This is correct for ice production. Do not force ice maker arm down or up.
20. Slide stainless steel clip over rear wall of ice maker water cup.

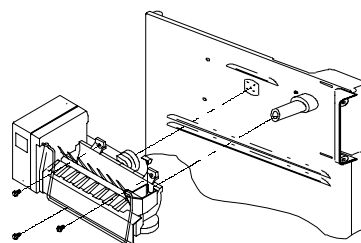


A. Stainless steel clip

B. Water cup

Stainless steel clip installation

21. Start two $\frac{5}{8}$ " (16 mm) long sheet metal screws in top holes on rear wall with a $\frac{1}{4}$ " hex nut driver. Leave heads out approximately $\frac{3}{8}$ " (10 mm).
22. Hold ice maker in position. Ice maker can only be installed one way. Do not drill additional holes. Insert wire harness plug into receptacle on rear wall. Slide ice maker hangers over sheet metal screws. Ease water cup toward end of water fill tube extension. Water fill tube extension fits under stainless steel clip. Water fill tube extension must not be kinked. Water fill tube extension should extend approximately $\frac{3}{8}$ " (10 mm) into ice maker water cup and must be secured under stainless steel clip.



Ice maker Installation

23. Install remaining $\frac{5}{8}$ " (16 mm) long sheet metal screw under ice maker and tighten all 3 screws with a $\frac{1}{4}$ " hex nut driver.

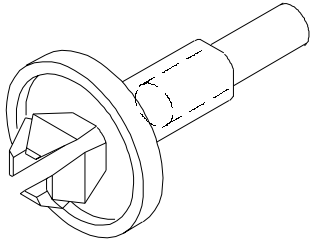
24. **Built-In Models (SB*****)**

Remove and discard button plugs **above** ice maker with a putty knife covered with masking tape.

All Other Models

Remove and discard button plugs **below** ice maker with a putty knife covered with masking tape.

25. Confirm stop pin locking fingers are unlocked. Center drive pin must extend $\frac{1}{2}$ " (13 mm) on opposite side of locking fingers. If not pull out center drive or use a screwdriver to push center drive pin out $\frac{1}{2}$ " (13 mm).



Stop pin inspection

26. **Built-In Models (SB*****)**

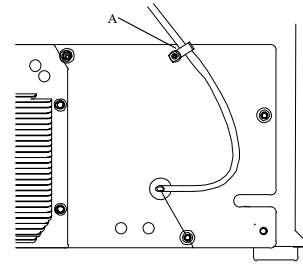
Push locking fingers into button plug holes **above** ice maker.

All Other Models

Push locking fingers into button plug holes **below** ice maker.

27. Tap center drive pins into stop pin sleeves with screwdriver handle. Locking fingers should expand inside wall, wedging locking fingers firmly in place. End of drive pins must be flush with end of stop pin sleeves.
28. Replace freezer shelf.
29. Position back of ice storage bucket up and over stop pins to avoid overfilling bucket.
30. Remove paper backing from sliding shelf decorative insert. Carefully position sliding shelf decorative insert on front of sliding shelf then press on. Place sliding shelf on top of ice storage bucket.
31. Check for leaks at household plumbing connection and water valve. Correct any leaks. Replace lower cover by placing cover on refrigerator. Carefully tuck wires inside cover to avoid pinching wires. Insert and tighten screws with a $\frac{1}{4}$ " (6 mm) nut driver. On 22, 25, and 27 cubic foot models, **place black plastic spacer on refrigerator**. Insert and tighten screws with a $\frac{1}{4}$ " (6 mm) nut driver.

32. Create service loop using extreme care to avoid kinks. **Secure copper tubing with a "P" clamp and back horizontal cover screw. Copper tubing must not extend $\frac{3}{8}$ " (9 mm) beyond back.**



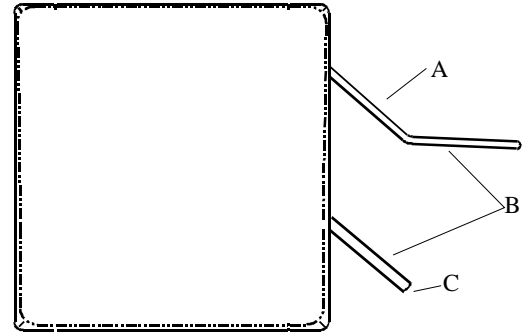
A. "P" clamp

Secure service loop

33. Connect power to refrigerator. Move refrigerator in place and level if necessary.

Operating Instructions

- Confirm ice bucket is in place and ice maker arm is down.



A. Locked position

B. Ice maker arm

C. Down position

- After freezer section reaches normal temperature, ice maker fills with water and begins operating. Allow 24–48 hours after installation before first harvest of ice. Ice maker produces 7 to 9 harvests of ice in a 24-hour period under ideal conditions.
- After ice is formed, ice maker drops ice cubes into ice storage bucket. During ice production, ice maker arm raises and lowers. When ice storage bucket is full, ice maker arm turns ice maker off. Discard first 3 harvests of ice after initial ice production and after extended periods of non-use.
- Stop ice production by lifting ice maker arm. A definite click is heard when off position is reached. Ice maker arm will remain in that position until pushed down.



CAUTION

To avoid damage to ice maker, observe the following:

- Do not force ice maker arm down or up.
- Do not place or store anything on ice maker or in ice storage bucket.

Before Calling For Service

Allow ice maker 1 overnight period to make ice before assuming a difficulty exists.

If ice maker is not producing ice

- Confirm ice maker arm is down.
- Confirm household water supply is reaching water valve.
- Confirm ice maker wiring harness plug is completely inserted into electrical receptacle.
- Check for kinks in copper or plastic tubing. Remove kinks or replace tubing.
- Check electrical connections to water valve coil.
- Confirm freezer is operating at proper temperature.

If ice maker is not producing enough ice

- Ice maker produces 7 to 9 harvests of ice in a 24-hour period under ideal conditions.
- See above section.

If ice maker makes unfamiliar sounds

- These may be normal. Refer to "Normal Operating Sounds" section in Owner's Manual.

Warranty

Ice Maker Full One Year Warranty

First Year

Manufacturer will repair or replace, free of charge, any part which is defective due to workmanship or materials.

Warranty Limitations

- Begins at date of original purchase.
- Applies to product used within the United States or in Canada if product has Canadian Standards Association listing when shipped from the factory.
- Service must be performed by an authorized Amana® technician.

Warranty Is Void If

- Product is used on a commercial, rental or leased basis.
- Product has defect or damage due to an accident, fire, flood, connection to an improper electrical or water supply, lightning, product alteration, shipping and handling, or other conditions beyond the control of Amana Appliances
- Product is improperly installed or used.

Owner's Responsibilities

- Provide proof of purchase (sales receipt).
- Provide normal care and maintenance. Replace owner replaceable items where directions appear in Owner's Manual and Installation Instructions.
- Make product reasonably accessible for service.
- Pay for premium service costs for service outside technician's normal business hours.
- Pay for service calls related to product installation or usage.

In no event shall Amana Appliances be liable for incidental or consequential damages*

*This warranty gives you specific legal rights and you may have others which vary from state to state. For example, some states do not allow the exclusion or limitation of incidental or consequential damages so this exclusion may not apply to you.

